

AGC/WSDOT Structures Team Meeting

October 26, 2001

9:00 AM - 12:00 PM NWR Corson Avenue Facility

Attendees:

<u>Member</u>	<u>Company/Agency</u>	<u>Telephone</u>	<u>Fax No.</u>	<u>E-mail</u>
Ron Lewis	WSDOT	(360) 705-7827	(360) 705-6809	LewisR@wsdot.wa.gov
Karsten Olson	Max J. Kuney	(509) 535- 0651	(509) 534-6828	Karsten@MaxKuney.com
Charlie McCoy	Atkinson Construction	(425) 255-7551	(425) 255-7335	ccmcco@Atkn.com
Kevin Parish	Mowat Construction Co.	(425) 398-0205	(425) 398-0226	Kevinp@mowatco.com
Dan Leachman	Kiewit Construction Co	(425) 255-8333	(425) 255-9755	Dleachman@kiewit-pbd.com
Tom Madden	WSDOT	(206) 768-5861	(206) 768-5786	MaddenT@wsdot.wa.gov
John Quigg	Quigg Bros.	(360) 533-1531	(360) 532-3449	JohnQ@QuiggBros.com
John Olk	WSDOT	(360) 705-7395	(360) 705-6814	Olkj@wsdot.wa.gov
M. Sheikhezadeh	WSDOT	(360) 705-7828	(360) 705-6809	SheikhM@wsdot.wa.gov

1. Proposed Pile Driving Specifications (Std. Specs. 6.05.3)

Ron Lewis proposed to limit the allowable maximum stress for the cip steel pile casings to 50 ksi and limiting the number of blows per foot to 70 max. Karsten suggested that WSDOT should design piles for lower bearing capacities. The limitation of 70 blows per foot would not have been adequate to drive the 6900 KN bearing capacity piles at the SR 167 contract currently under construction. Instead, he proposes allowing the contractors demonstrate adequate pile capacity with a test pile using PDA and swinging leads. Other suggestions were that test piles should be allowed as production piles but perhaps not be driven at footing corners since they are the most critical piles.

Action Item: Ron Lewis will pursue evaluating all the above discussions with the Geotechnical Branch and report back to the group for the next meeting.

2. Stay in Place Forms

No new discussions

3. Precast Approach Slabs

No further discussions

4. Cold Weather Concreting (Std. Specs. 6-02.3(6)A)

The Specs will cover two basic points: the temperature for all newly placed concrete must not fall below 50 degrees Fahrenheit and heating is required if the temperature falls below 50 degrees.

Action Item: Ron is working on the Specs and will present it to the group at the next meeting.

5. Roughened Surfaces (Std. Specs. 6-02.3(12))

Charlie indicated that the current Specs requirement of 1/4" RMS surface roughness is not practically attainable. There are also inconsistencies in enforcement around the State. In some cases, bush hammering can actually harm the structure by causing micro cracking. Pressure washing and use of shear keys, if required for design, is a better approach.

Action Item: John VanLund and Ron Lewis are working on this Spec and will propose a revised Spec at the next meeting

6. Tension Control Fasteners (LaJeune bolts) (Std. Specs. 6-03.3(33))

Kevin would like a demonstration project for this type of bolt because of some inherent savings. CalTrans has allowed them for the Golden Gate seismic retrofit. Dan has heard of its use in buildings with labor and placement savings. Ron expressed his reservation due to potential chance of bolts loosening up. There are also other concerns with respect to verification and safety. A presentation by a LaJeune Bolt representative to the group was suggested.

Action Item: this issue will be carried forward

New Issues

- Ron asked members for evaluation of goals and accomplishments of the group for reporting to the AGC Lead Team.
- John Quigg asked for the current version of the ADSC Shaft Special Provisions, and a copy of the ongoing task force minutes for information. A few members expressed a preference to change the shaft/column splice zone concrete from class 4000P back to Class 4000.
- Allowing use of pre-cast panels with the soldier pile walls as an alternate to pre-cast
- Deletion of inserts for the cip barriers against the retaining walls
- Tall CIP fascia wall concrete placement. Allowing for class 4000P and architectural feature strips when fractured fin finish is used.

Next Meeting: Friday, December 7, 2001, 9:00-12:00 Corson Ave.